

CLAIMS

What is claimed is:

1. A spin coating method, comprising:
applying a material to a substrate;
spinning said substrate and said material at a first speed;
decreasing a rate of said spinning to a second speed; and
gradually increasing a rate of said spinning to a third speed.
2. The method of claim 1, wherein said spinning said substrate and said material at said first speed comprises substantially filling recesses formed in said substrate with said material.
3. The method of claim 1, wherein said decreasing said rate and spinning said substrate and said material at said second speed comprise permitting said material located within recesses formed in said substrate to set.
4. The method of claim 1, wherein spinning said substrate and said material at said third speed comprises forming said material over a surface of said substrate to a desired thickness.
5. The method of claim 1, wherein said decreasing said rate follows said spinning.
6. The method of claim 3, wherein said gradually increasing said rate follows said decreasing said rate.

7. A spin coating method, comprising:
applying a material to a substrate;
spinning said substrate and said material at a first speed that permits said material to flow into
recesses formed in said substrate;
spinning said substrate at a second speed that permits said material within said recesses to set;
and
gradually increasing a rate of said spinning to a third speed.

8. The method of claim 7, wherein said spinning said substrate at said second speed follows said spinning said substrate at said first speed.

9. The method of claim 8, wherein said spinning said substrate at said second speed comprises decreasing a rate at which said substrate is spun.

10. The method of claim 7, wherein said spinning said substrate and said material at said first speed comprises substantially filling said recesses with said material.

11. The method of claim 7, wherein spinning said substrate and said material at said third speed comprises forming said material over a surface of said substrate to a desired thickness.

12. The method of claim 7, wherein said gradually increasing said rate follows said spinning said substrate at said first speed.

13. The method of claim 12, wherein said gradually increasing said rate also follows said spinning said substrate at said second speed.

14. A spin coating method, comprising:
applying a material to a substrate;
spinning said substrate at a first speed to at least partially spread said material;
spinning said substrate at a second speed to permit at least some of said material to flow into at
least one recess formed in said substrate; and
gradually increasing a rate of said spinning to a third speed.

15. The method of claim 14, wherein said spinning said substrate and said material at said first speed comprises substantially filling said recesses with said material.

16. The method of claim 14, wherein said spinning said substrate at said second speed comprises spinning said substrate at a slower speed than said first speed.

17. The method of claim 14, wherein said spinning said substrate at said second speed is effected after said spinning said substrate at said first speed.

18. The method of claim 17, wherein said gradually increasing is effected after said spinning said substrate at said second speed.

19. The method of claim 18, wherein said spinning said substrate at said second speed comprises spinning said substrate at a slower speed than said first speed.

20. The method of claim 14, wherein spinning said substrate and said material at said third speed comprises forming said material over a surface of said substrate to a desired thickness.